

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 17 May 2000 (17.05.00)	
International application No. PCT/US98/21020	Applicant's or agent's file reference AA352F/JH
International filing date (day/month/year) 05 October 1998 (05.10.98)	Priority date (day/month/year)
Applicant KATSUDA, Rinko et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
06 April 2000 (06.04.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Claudio Borton Telephone No.: (41-22) 338.83.38
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PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AA352F/JH	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 98/ 21020	International filing date (day/month/year) 05/10/1998	(Earliest) Priority Date (day/month/year)
Applicant THE PROCTER & GAMBLE COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. ---

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 98/21020

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Line 1: "The present invention is directed to" is erased
line 2: "containing" is replaced by "contains"
line 6: "The present invention also relates to" is erased
line 7: after "system" add "are also claimed"

INTERNATIONAL SEARCH REPORT

International Application No

T/US 98/21020

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C11D3/37 C11D17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C11D B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93 01269 A (UNILEVER) 21 January 1993	1-3,5-7, 11,12
A	see page 6, line 16 - line 21; claim 1; example 5; table 4 ---	4,8-10
A	WO 98 04661 A (PROCTER & GAMBLE) 5 February 1998 see page 28, line 19 - page 30, line 29; claims 1,13,18; example 1 ---	1-8,11, 12
A	EP 0 206 522 A (UNILEVER) 30 December 1986 see claims 1-15 ---	1,3,4, 7-12
A	EP 0 336 710 A (DOW CORNING) 11 October 1989 see claim 1; example 2 ---	1,3,4,7, 11,12
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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Date of the actual completion of the international search

1 June 1999

Date of mailing of the international search report

22/06/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Saunders, T

INTERNATIONAL SEARCH REPORT

International Application No

T/US 98/21020

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 962 107 A (LEVIN NORMAN ARTHUR ET AL) 8 June 1976 see column 3, line 48 - line 49; example 1 -----	1-3,5-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

T/US 98/21020

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9301269	A	21-01-1993	AU 670032 B	04-07-1996
			AU 2196092 A	11-02-1993
			BR 9206230 A	27-12-1994
			EP 0593544 A	27-04-1994
WO 9804661	A	05-02-1998	GB 2315761 A	11-02-1998
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			AU 3962697 A	20-02-1998
			CA 2255594 A	20-11-1997
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			EP 0915956 A	19-05-1999
			EP 0915950 A	19-05-1999
			EP 0915949 A	19-05-1999
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			WO 9804662 A	05-02-1998
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EP 0206522	A	30-12-1986	AU 5767686 A	27-11-1986
			BR 8602343 A	21-01-1987
			CA 1272098 A	31-07-1990
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			JP 61271007 A	01-12-1986
			TR 23599 A	01-03-1990
EP 0336710	A	11-10-1989	US 4894177 A	16-01-1990
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			DE 68913323 D	07-04-1994
			DE 68913323 T	08-09-1994
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			AU 8218375 A	23-12-1976
			CA 1047406 A	30-01-1979
			DE 2527534 A	15-01-1976
			GB 1492688 A	23-11-1977
			JP 1320098 C	29-05-1986
			JP 51038415 A	31-03-1976
			JP 60035325 B	14-08-1985
			SE 7506869 A	29-12-1975
			ZA 7504027 A	26-01-1977

PCT/ORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C11D 3/37, 17/06	A1	(11) International Publication Number: WO 00/20546 (43) International Publication Date: 13 April 2000 (13.04.00)
(21) International Application Number: PCT/US98/21020 (22) International Filing Date: 5 October 1998 (05.10.98) (71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): KATSUDA, Rinko [JP/JP]; Kobe Park City C507, Minatojima Nakamachi, Chuo-ku, Kobe 650-0046 (JP). NORWOOD, Kevin, Todd [US/US]; 311 Hilltop Lane, Wyoming, OH 45215 (US). MURATA, Susumu [JP/US]; 9574 Wabash Way, West Chester, OH 45069 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: FOAMING SYSTEM AND DETERGENT COMPOSITIONS CONTAINING THE SAME (57) Abstract A controlled foaming system especially adapted for use in detergent compositions contains a foaming component capable of providing foaming or sudsing without agitation, and a delayed-release foam suppressing component. Preferably, the delayed-release foam suppressing component is releasably incorporated in a carrier, thereby delaying the release of the foam suppressing agent. Detergent compositions containing the controlled foaming system are also disclosed.		

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

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INTERNATIONAL SEARCH REPORT

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